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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

1. (currently amended) A pneumatic tire which designates directions to an inner and an

outer side of a vehicle in a state where the tire is mounted on the vehicle comprising three or

more circumferential main grooves asymmetrically positioned with respect to an equatorial line

of the tire and extending linearly and continuously in the circumferential direction of a tread

formed in a ground contact face of the tread to form one or more land part rows in each of the

resulting central region and both side regions, in which

a sum of groove volume in a circumferential direction in lateral grooves formed in a

shoulder land part row corresponding to an axially inner side of the tire, in a state where the tire

is -mounted on a vehicle, per unit width is made smaller than a sum of groove volume in the

circumferential direction in lateral grooves formed in a shoulder land part row corresponding to

an axially outer side of the tire, in a state where the tire is mounted on the vehicle, and

the land part row in the central region is rendered into a rib, and

a plurality of slant grooves extending at an average inclination angle of not less than 45°

with respect to a widthwise direction of the tread are arranged in a second inner land part row

located adjacent to a shoulder land part row, at a side of the equatorial line thereof, at the axially

inner side, and

these slant grooves are opened to at least the circumferential main groove located

adjacent, on the axially inner side, to the second inner land part row of the axially inner side, and

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a groove depth of the slant groove is deepened from the side of the equatorial line toward

the side of the tread end of the slant groove, and

the shoulder land part row of the axially inner side comprises a rib.

2. (original) A pneumatic tire according to claim 1, wherein the number of the

circumferential main grooves is 4 or more, and

a plurality of lateral grooves opening at either one end to the circumferential main groove

and terminating at the other end in the land part row are formed in a second outer land part row

located adjacent to the side of the equatorial line of the tire in the shoulder land part row of the

axially outer side.

3. (original) A pneumatic tire according to claim 1, wherein the shoulder land part row

of the axially inner side is divided into two parts by a fine groove extending in a circumferential

direction, and an average angle of the lateral groove formed in the shoulder land part row of the

axially outer side with respect to the widthwise direction of the tread is not more than 15°.

4. (previously presented) A pneumatic tire according to claim 1, wherein the shoulder

land part row of the axially inner side is divided into two parts by a fine groove extending in a

circumferential direction, and one divided portion located at a side of a tread end is a narrow-

width rib and a plurality of small holes separated from the groove are formed in the other wide-

width divided portion, which may be provided with lateral grooves.

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5. (previously presented) A pneumatic tire according to claim 3, wherein a groove width

of the fine groove is made wider in a side of a tread surface than in a groove bottom.

6. (previously presented) A pneumatic tire according to claim 4, wherein a total volume

of plural small holes formed in the wide-width divided part at the shoulder land part row of the

axially inner side in the circumferential direction of the tread is made larger at a side of the fine

groove than at a side of the equatorial line of the tire.

7. (original) A pneumatic tire according to claim 4, wherein the wide-width divided

portion having small holes a tread structure contacting with ground in at least a part of small hole

forming region at a posture of applying a camber angle of -0.5° under an action of a load

corresponding to 40% of a maximum load capacity.

8. (previously presented) A pneumatic tire according claim 4, wherein a side wall of the

narrow-width rib located at a side of a tread end is a curved form having at least one center of

curvature at an outer side of a cross sectional profile line.

9. (previously presented) A pneumatic tire according to claim 1, wherein a center line of

a rib of the central region land part row located nearest to the side of the equatorial line of the tire

is biased to the axially inner side with respect to the equatorial line of the tire, and a plurality of

widthwise fine grooves extending obliquely with respect to the widthwise direction of the tread

are formed in this rib.

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10. (original) A pneumatic tire according to claim 9, wherein an inclination angle of the

widthwise fine groove is an average angle within a range of 5-55°.

11. (previously presented) A pneumatic tire according to claim 9, wherein the widthwise

fine groove is formed so as to incline in a depth direction in form of a curved face provided that

it is separated away from each other bordering a middle part of its extending direction.

12. (previously presented) A pneumatic tire according to claim 9, wherein at least a part

of the widthwise fine grooves is terminated at both ends in the rib.

13. (previously presented) A pneumatic tire according to claim 1, wherein a center line

of a rib of the central region land part row located nearest to the side of the equatorial line of the

tire is biased to the axially inner side with respect to the equatorial line of the tire, and a plurality

of recesses having substantially an ellipsoidal form are formed in this rib, and a major axis of

each of the recesses is extended at an angle of 5-45° with respect to the widthwise direction of

the tread, and a side of the shoulder land part row in the rib at the axially inner side is defined by

the circumferential main groove extending linearly.

14. (original) A pneumatic tire according to claim 13, wherein at least a part of the

recesses is provided with a sipe(s) extending in a direction of the major axis.

15. (previously presented) A pneumatic tire according to claim 1, wherein the rib of the

central region land part row located nearest to the equatorial line of the tire is defined by a pair of

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circumferential main grooves extending linearly, and a groove width of the circumferential main

groove located at a side of the shoulder land part row of the axially inner side is made wider than

a groove width of the circumferential main groove located at a side of the shoulder land part row

of the axially outer side.

16. (previously presented) A pneumatic tire according to claim 1, wherein a peripheral

upheaved portion gradually decreasing a surface height toward at least one of a side edge of a

block and a central region of a block is formed in each of blocks defined by the lateral grooves in

the shoulder land part row of the axially outer side.

17. (previously presented) A pneumatic tire according to claim 1, wherein a height of a

leading edge and a height of a trailing edge in a block defined by the slant grooves in at least a

second inner land part row are made different in the widthwise direction of the tread, and each of

high height portions is extended in the circumferential direction of the tread while changing

positions in the widthwise direction of the tread in accordance with positions in the

circumferential direction.

18. (previously presented) A pneumatic tire according to claim 1, wherein a slant face

gradually decreasing a height toward a top is formed in an acute corner portion of a block

defined by at least one of the lateral groove and the slant groove extending at an average angle of

not less than 45° with respect to the widthwise direction of the tread.

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19. (previously presented) A pneumatic tire according to claim 1, wherein a projection

part projecting into a groove is disposed in a groove wall of the circumferential main groove

opposite to a groove wall opening to at least one of the lateral groove and the slant groove at a

groove opening position and a position opposite to the widthwise direction of the tread.

20. (previously presented) A pneumatic tire according to claim 1, wherein the groove

depth of the slant groove extends at an average angle of not less than 45° with respect to the

widthwise direction of the tread.

21. (previously presented) A pneumatic tire according to claim 1, wherein extending

directions of the slant grooves formed in the second inner land part row with respect to the

widthwise direction are alternately rendered into opposite directions in the circumferential

direction of the tread.

22. (previously presented) A pneumatic tire according to claim 1, wherein an integral

value of the rigidity in the widthwise direction of the tread over a full ground contact length in

each of the land part rows defined by the circumferential main grooves is within a range of 50%

from a large value between mutually adjacent land part rows.

23. (previously presented) A pneumatic tire according to claim 1, wherein at a state that

the tire is mounted onto an approved rim and inflated under a normal air pressure and loaded

under a mass corresponding to the maximum load capacity, an effective ground contact area at

either axially inner side or axially outer side is larger than that at the remaining other side, and a

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radial distance from a tangential line on the outer side surface of the tread perpendicular to the

equatorial plane of the tire up to the ground contact edge of the tread at a posture of filling the

normal air pressure is made larger at the mounting side having a small effective ground contact

area than at the other mounting side.

24. (original) A pneumatic tire according to claim 23, wherein a relation between a ratio

of small and large effective ground contact areas (S-large/S-small) and a ratio of large and small

radial distance (H-large/H-small) satisfies S-large/S-small = A x (H-large/H-small) wherein A is

1.0-1.4.

25. (previously presented) A tire-wheel assembly formed by assembling a pneumatic

tire as claimed in claim 1 onto a wheel, in which a connecting portion between a rim and a disc

of the wheel is located toward an outer side of a vehicle to be mounted with respect to the

equatorial plane of the tire.

26. (previously presented): The pneumatic tire according to claim 9, wherein sipes

extending in a direction crossing the rib are arranged in the rib of the central region land part

row.

27. (previously presented): The pneumatic tire according to claim 18, wherein the slant

face is formed in an acute corner portion located at the side of the equatorial line of the tire.

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28. (previously presented): The pneumatic tire according to claim 13, wherein the

extending directions of the major axes of the recesses are alternately opposed in the

circumferential direction of the tread.

29. (currently amended) A vehicle, said vehicle comprising:

at least one pneumatic tire among a plurality of tires, wherein each of the plurality of tires

is a pneumatic tire, and said each pneumatic tire being mounted on said vehicle,

wherein said at least one each pneumatic tire comprises an axially outer side and an

axially inner side, and

wherein said at least one each pneumatic tire further comprises three or more

circumferential main grooves asymmetrically positioned with respect to an equatorial line of the

tire and extending linearly and continuously in the circumferential direction of a tread formed in

a ground contact face of the tread to form one or more land part rows in each of the resulting

central region and both side regions, in which

a sum of groove volume in a circumferential direction in lateral grooves formed in a

shoulder land part row corresponding to the axially inner side of the tire mounted on a vehicle

per unit width is made smaller than a sum of groove volume in the circumferential direction in

lateral grooves formed in a shoulder land part row corresponding to the axially outer side of the

tire mounted on the vehicle, and

the land part row in the central region is rendered into a rib, and

a plurality of slant grooves extending at an average inclination angle of not less than 45°

with respect to a widthwise direction of the tread are arranged in a second inner land part row

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located at a side of the equatorial line adjacent to a shoulder land part row at the axially inner side; and

these slant grooves are opened to the circumferential main groove at least located adjacent to the second inner land part row of the axially inner side; and

the shoulder land part row of the axially inner side comprises a rib.